

are composed, the Bessemer steel, (we suppose) has

F. F. Littlefield of Portland, presents a Sulky plow. The sulky, and not the plow, is its peculiar characteristic. The sulky is a frame mounted upon a single

pair of wheels, beneath which any plow may be suspended by chains, raised and lowered by levers, and which, by means of a long braided rope, is connected with the driver. It is claimed that by this device the labor of a plowman is saved. It was not successful on trial at the plowing match, as it appeared to be too bad a condition of the plow. We think there may be merit in the device, and hope it may receive further trial. All such attempts at saving human labor are worthy of encouragement.

With the same object in view—economy of labor, Mr. E. Maxwell, Cape Elizabeth, presents a plow, with a horizontal beam, and a single wheel, which is raised and lowered by a lever, and which device extends to the driver's seat, by which device the expense of the labor of a plowman is diminished. It was not successful on trial, as it appeared to be too bad a condition of the plow, and we decline to have an opinion as to its merits.

Luther Whitman & Son, Winthrop, present one which will plow, the peculiar characteristic of which is, that a device which is attached to the plow, and which is raised and lowered by a lever, changes the plow from right to left, and vice versa.

HARROWS.

The harrow was formerly an implement having a

tearing in pieces turf, pulverizing clods, and in leveling and smoothing the surface of plowed land. This action upon new rough land was and is satisfactory, but upon old fields it was observed that, from the pressure of the teeth, the soil was pulverized to such a degree, it compacted the strata beneath, this has led to a change in the form of the teeth verging towards the imitator; and this change has so changed the character of the implement, that at the present day it is called the "leveling harrow," and is not the cultivator. This point we leave for the exhibitors to settle, and take the implement by the name under which it is entered. And, while we accord to the spike-toothed harrow its full merit in its application to the soil, we do not think it is to be preferred, above all things considered, for the cultivating harrow, or the implement which, while pulverizing and leveling, also looses instead of compacting the soil. We decide to award the Society's premium, for the best harrow, to the exhibitor of the leveling harrow.

The following entries were made: L. Whitman & Son, Winthrop, one spike-toothed harrow and one souther harrow. Kendall & Whitney, Portland, one souther harrow and one rotating spike-toothed harrow. F. & S. Ripley, Portland, two Monroe's Patent harrows, rotating, spike-toothed. M. E. Rice, Steepleton, one Nesmith's Improved Pulverizing Harrow. We here give a description of this last implement, it being comparatively new. Instead of teeth or coulters, it has sharp-edged, circular, concave discs, revolving on steel journals, and set at such an angle with the line

The inventor claims that, with this evolving principle, the same amount of work is accomplished, in a better manner, with a saving of from fifty to seventy-five per cent. of power. We think favorably of the principle involved, and hope the implement may be thoroughly tested by natural gas burners. Maine.

Cultivators were exhibited by L. Whitman & Son, Winthrop; Kendall & Whitney, Portland; S. B. Dennett, Westbrook, and T. B. Hussey, North Berwick. We award diploma to No. 171 State Reversible Cultivator, made by T. B. Hussey.

HORSE HOSES.

F. F. Holbrook & Small, Boston, and W. E. Barrett, Providence, R. I., each, exhibit two hoses, adjustable to wide or narrow work, the rear pious reversibility, made, chilled castings, and in every respect thoroughly reliable. Dunham & Currier, Bangor, present Webb's improved "Horse Hose, Chandler's Patent." This implement is well received and much used by the farmers of Maine. In the absence of proof to trial of the comparative merits of these implements, regarding which all favorably, we take pleasure in making honorable mention of each.

HORSE HOSES AND CULTIVATORS COMBINED.

Were exhibited by D. R. Allen, Cumberland, and

er is changeable from hoe to cultivator, and seems well adapted to either work. The latter has some features peculiar to itself. First, the circular or arch-shaped draft-bar, by which it is claimed that clogging is avoided; second, the graded length of teeth, working deeper in the centre than at the sides; third, the adjusting rod by which the depth of work is controlled.

It has also the changes usual in other hoes. We are favorably impressed with the implement, and believe that for all work, level, side-hill, stony and turfy, will prove a great acquisition to our stock of farm tools. No premium being offered, we with pleasure make honorable mention.

To Holbrook & Small, Boston, for best seed sowing and hand cultivator, Harrington's Patent, we award diploma; to N. Hawks, Appleton, for best corn planter diploma; to H. H. Furbish, Portland, for best broad cast seed sower, Cahoon's Patent, diploma; to L. Whitman & Son, Winthrop, for best grain thrasher and separator.

and, naturally, the same price. The following are the names of the dealers who sell the various styles of the new line of Diplomas: Kendall & Whitney, for best root cutters, washers and chisels, (to Z); Crawford, (World's Fair), for mail order diplomas; to B. Donnett, (World's Fair), for letter-exchange diplomas. This is a very convenient device for emptying wagons of any load which requires to be left in heaps; to A. Crawford, Warren, for best stump and rock extractor and clever root, diplomas; to N. M. Perkins, Portland, for adjustable hoe, diplomas; to John Reed, Westbrook, for Scotch grubber, thanks of Society; to P. Wilson, Newport, for glow feller, favorable notice; to G. W. Dyer, W.

center, Mass., diploma for best corn picker and husker. Husking corn is a slow, tedious and expensive operation. Several implements designed for the work have from time to time appeared and as speedily disappeared, for the reason they did not answer the end in view. This machine, Kingon's Patent, gives hope that Yankee ingenuity has at length prevailed.

The principle upon which it acts seems correct as up to a limited trial it performed its work well. Those who grow this crop largely must find it good economy use this machine.

We award to L. Whitman & Son for best collection of agricultural implements, manufactured in Maine a medal and premium of \$20; Messrs Kendall

lent assortment of hand implements, many of which were manufactured out of the State, and are deserving honorable mention. Several articles were presented for notice which do not appear upon our list, having arrived late on the ground. Farmers' churn, Hutchins & Co., Augusta, too complicated for good service. Apple or root grater, exhibitor unknown.

works will, but will soon wear out. Horse hoe and cultivator combined, by B. F. Skillings, Gray, loc. well. Family or kitchen corn sheller, by C. F. Goodham, Providence, R. I., a convenient little machine for shelling a small quantity, as for hominy; it has the excellence, that it shells clean, even green corn.

Some articles entered upon our list we did not find

others perhaps, have not received the attention a commendation or criticism which they deserved; we can only say we gave almost our whole time to the task, and standing as we did between the manufacturer and farmer, we have endeavored to express freely, perhaps too freely in some cases, our opinion of the articles before us.

Samuel E. Benson J. F. Taylor John Hart Co.

ENTRY BOOK NO. 48, B.

The Committee on Mowing Machines, Hay and Implements, and other miscellaneous articles submit the following report:

Mowers—Society's medal awarded on Walter Wood's Mower, manufactured at Hopedale Falls, N.

Horse Rakes—Diploma awarded on the Bay State Horse Rakes, manufactured by the Boakey Mowing Machine Company, West Fitchburg, Mass., exhibited

Drag Rakes—Diploma awarded on Brown's Patent Drag Rake, exhibited by Hiram Brown, Cape Elizabeth, Me.

Hay Elevators—Diploma awarded on the Patent Horse Hay Yoke, exhibited by Kendall & Whitman, Portland.

Swath—Diploma awarded on Hubbard's Patent

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